

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	158	703/7.ccor.	US-PGPUB; USPAT	OR	ON	2006/09/01 14:24
L2	356	703/6.ccor.	US-PGPUB; USPAT	OR	ON	2006/09/01 14:26
L3	207	703/11.ccor.	US-PGPUB; USPAT	OR	ON	2006/09/01 14:27
L4	2	((("5748767") or ("5769092"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/01 15:57
L5	4654	(orthopedic orthopaedic) and image	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 16:51
L13	1188	5 and (planning plan planner)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 17:08
L14	704	13 and anatom\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 17:09
L15	4	14 and artificial	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 17:09
L16	357	14 and fixat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 17:11
L17	252	16 and element	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 17:13
L18	92	17 and simulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 17:13
L19	3803	pre adj operati\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 17:14
L20	26	18 and 19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 17:14
L21	20	20 and @ad<="20030826"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/01 17:15
L22	19	("4341220" "4905148" "5007936" "5086401" "5141512" "5242455" "5251127" "5299288" "5305203" "5360446" "5383454" "5389101" "5408409" "5517990" "5682886" "5733338" "5880976" "5995738" "6002859").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 19:12
L23	19	("6205411").URPN.	USPAT	OR	ON	2006/09/01 19:19

		Results
7.	((((pub-date > 1959 and pub-date < 2004 and FULL-TEXT((orthopedic or orthopaedic)) and FULL-TEXT(image)) and plan!) and pre operati!) and anatom!) and fixat!) and element) and artificial [All Sources(- All Sciences -)]	15
6.	((((pub-date > 1959 and pub-date < 2004 and FULL-TEXT((orthopedic or orthopaedic)) and FULL-TEXT(image)) and plan!) and pre operati!) and anatom!) and fixat!) and element [All Sources(- All Sciences -)]	35
5.	(((pub-date > 1959 and pub-date < 2004 and FULL-TEXT((orthopedic or orthopaedic)) and FULL-TEXT(image)) and plan!) and pre operati!) and anatom!) and fixat! [All Sources(- All Sciences -)]	72
4.	(((pub-date > 1959 and pub-date < 2004 and FULL-TEXT((orthopedic or orthopaedic)) and FULL-TEXT(image)) and plan!) and pre operati!) and anatom! [All Sources(- All Sciences -)]	143
3.	((pub-date > 1959 and pub-date < 2004 and FULL-TEXT((orthopedic or orthopaedic)) and FULL-TEXT(image)) and plan!) and pre operati! [All Sources(- All Sciences -)]	211
2.	(pub-date > 1959 and pub-date < 2004 and FULL-TEXT((orthopedic or orthopaedic)) and FULL-TEXT(image)) and plan! [All Sources(- All Sciences -)]	4532
1.	pub-date > 1959 and pub-date < 2004 and FULL-TEXT((orthopedic or orthopaedic)) and FULL-TEXT(image) [All Sources(- All Sciences -)]	8127

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Recent Search Queries

		Results
#1	((orthopedic<or>orthopaedic)<and>image)<and>anatom* <and> (pyr >= 1951 <and> pyr <= 2003)	257
#2	((orthopedic<or>orthopaedic)<and>image<and>plan* <and>anatom*) <and> (pyr >= 1951 <and> pyr <= 2003)	221
#3	((orthopedic<or>orthopaedic)<and>image<and>plan* <and>anatom*<and>fixat*) <and> (pyr >= 1951 <and> pyr <= 2003)	51
#4	((orthopedic<or>orthopaedic)<and>image<and>plan* <and>anatom*<and>fixat*<and>artificial) <and> (pyr >= 1951 <and> pyr <= 2003)	23
#5	((orthopedic<or>orthopaedic)<and>image<and>plan* <and>anatom*<and>fixat*<and>artificial<and>element) <and> (pyr >= 1951 <and> pyr <= 2003)	18



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12 documents found. **Order: number of citations.**

[Development and Validation of a Navigational.. - Simon, Jaramaz.. \(1997\) \(Correct\) \(2 citations\)](#)

2 B. Colgan 1 T. Kanade 2 1 Center for **Orthopaedic** Research, Shadyside Hospital Pittsburgh, PA

HipNav includes three components: a **pre-operative planner**, a range of motion simulator, and an

surgery. HipNav includes three components: a **pre-operative planner**, a range of motion simulator, and an

www.ri.cmu.edu/pub_files/pub2/simon_david_1997_1/simon_david_1997_1.ps.gz

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[An Overview of Medical Image Registration Methods - Maintz, Viergever \(1996\) \(Correct\) \(1 citation\)](#)

T. Kanade. Accuracy validation in image-guided **orthopaedic** surgery. In Medical robotics and computer

3. Liver d. Pelvis and perineum e. Limbs (**orthopedic**) 1. General 2. Femur 3. Humerus 4. Hand f.

settings, but prominently so in the area of **planning**, consummation, and evaluation of surgical and

www.cs.uu.nl/people/twan/personal/brussel_bvz.pdf

[Towards More Capable and Less Invasive Robotic.. - O'Toole, III.. \(1995\) \(Correct\) \(1 citation\)](#)

Capable and Less Invasive Robotic Surgery in **Orthopaedics** R.V. O'Toole III 12 D.A. Simon 2 B.

H.W. Staudte, and G. Rau. Computer assisted **orthopedic** surgery by means of individual templates -

surgical robots and computer-based **pre-operative planning** and simulation in **orthopaedics**. Figure 1

www.ri.cmu.edu/pub_files/pub2/o_toole_r_1995_1/o_toole_r_1995_1.ps.gz

[Image Guided Orthopaedic Surgery Design and Analysis - Phillips, Viant, Mohsen.. \(1996\) \(Correct\) \(1 citation\)](#)

Image Guided **Orthopaedic** Surgery Design and Analysis R. Phillips*

(CAOS) which takes an image guided approach to **planning** and implementing a trajectory, to assist an

This instrument utilises the standard **pre-operative** and intraoperative imaging modality as its

www.enc.hull.ac.uk/CAOS/doc/accimc95.ps.gz

[Towards Computer-Assisted Surgery in Shoulder Joint.. - Valstar, Botha, van.. \(Correct\)](#)

CJ Delft, The Netherlands b Department of **Orthopaedics**, Leiden University Medical Center, P.O. Box

research programme focuses on the **pre-operative planning** and per-operative guidance issues. The ultimate

part of this research programme focuses on the **pre-operative planning** and per-operative guidance issues.

www.ph.tn.tudelft.nl/People/albert/papers/PRS_Valstar.pdf

[A Visualisation Platform for Shoulder Replacement Surgery - Botha, Post \(2001\) \(Correct\)](#)

groups of the Delft Technical University, the **Orthopaedics** Department of the Leiden University Medical

(without loss of domain-specific benefits) and the **planned** integration of predictive modelling. 1

on per-operative assistance with very little **pre-operative planning** facilities and almost no predictive

www.ph.tn.tudelft.nl/People/albert/papers/botha2001.pdf

[Study Report - Neuro-Endoscopic Manipulator - Draft Th April \(Correct\)](#)

the required task. This has been translated to **orthopaedic** surgery by measuring a control force and using

Experiment Apparatus and Materials Project **Planning** References Introduction This report discusses

which is guided to the site with the aid of **pre-operative** MR images. The site is identified by

www.me.ic.ac.uk/case/mim/people/steve/.../projects/roboscope/Study_Report.pdf

[Medical Imaging, Visualization and Registration in.. - David Simon Ph \(Correct\)](#)

execution of surgical procedures are providing **orthopaedic** surgeons with a powerful new set of tools for

and G. Rau. A compact robot for image guided **orthopedic** surgery: Concept and preliminary results. In

which are being introduced to aid in the **planning** and execution of surgical procedures are

www.cs.cmu.edu/afs/cs/user/das/ftp/CORR.ps.gz

[Frameworks for Evaluating Accuracy in CAOS - Simon Ph Center \(1997\) \(Correct\)](#)

in CAOS D.A. Simon, Ph.D. 1,2 1 Center for **Orthopaedic** Research, Shadyside Hospital, Pittsburgh, PA,

intra-operative guidance or robot motion **planning** is performed to enable the surgical action which

the components of a typical CAOS system. **Pre-operatively**, patient-specific medical images are
www.ri.cmu.edu/pub_files/pub1/simon_david_1997_4/simon_david_1997_4.pdf

Simulation, Planning, and Execution of Computer-Assisted Surgery - Takeo Kanade Pi (1996) (Correct)
surgery, one of the most common procedures in **orthopaedic** surgery, is targeted because of the
Simulation, **Planning**, and Execution of Computer-Assisted Surgery
Registration. As discussed above, the **preoperative** surgical simulations aid in seeking an optimal
www.ri.cmu.edu/pub_files/pub2/kanade_takeo_1996_1/kanade_takeo_1996_1.ps.gz

A Stereotactic/Robotic System for Pedicle Screw Placement - Santos-Munné, Peshkin, al. (1995) (Correct)
S. David Stulberg Thomas C. Kienzle III Dept. of **Orthopaedic** Surgery Northwestern U. Medical School
use of two-dimensional images for **preoperative planning**. During the **planning** stage, the surgeon becomes
is the is the use of two-dimensional images for **preoperative planning**. During the **planning** stage, the
othello.mech.nwu.edu/~peshkin/papers/PedicleScrew/PedicleScrew.ps

Design and Evaluation of 3-D . . . - Blackwell, al. (1996) (Correct)
1 Robotics Institute 2 Center for **Orthopaedic** Research Carnegie Mellon University Shadyside
the user interface components of a **pre-operative planning** system for performing complex 3-D spatial
evaluating the user interface components of a **pre-operative planning** system for performing complex 3-D
reports-archive.adm.cs.cmu.edu/anon/robotics/CMU-RI-TR-96-44.ps

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- 1 [Application of an interactive graphics system to the kinematic design of an artificial knee joint](#)
 Roger E. Kaufman
 March 1972 **ACM SIGGRAPH Computer Graphics , Proceedings of the 1972 SIGGRAPH seminar on Computer graphics in medicine**, Volume 6 Issue 4
 Publisher: ACM Press

Full text available: pdf(644.00 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

- 2 [A hand biomechanics workstation](#)
 David E. Thompson, William L. Buford, Loyd M. Myers, David J. Giurintano, John A. Brewer
 June 1988 **ACM SIGGRAPH Computer Graphics , Proceedings of the 15th annual conference on Computer graphics and interactive techniques SIGGRAPH '88**, Volume 22 Issue 4
 Publisher: ACM Press

Full text available: pdf(3.71 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

- 3 [Visualization Systems: Anatomical atlases based on volume visualization](#)
 K. H. Höhne, A. Pommert, M. Riemer, Th. Schiemann, R. Schubert, U. Tiede, W. Lierse
 October 1992 **Proceedings of the 3rd conference on Visualization '92**
 Publisher: IEEE Computer Society Press

Full text available: pdf(857.78 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

- 4 [A virtual environment and model of the eye for surgical simulation](#)
 Mark A. Sagar, David Bullivant, Gordon D. Mallinson, Peter J. Hunter
 July 1994 **Proceedings of the 21st annual conference on Computer graphics and interactive techniques**
 Publisher: ACM Press

Full text available: pdf(667.19 KB) ps(8.17 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

- 5 [Session P1: medical visualization: Integration of measurement tools in medical 3d visualizations](#)
 Bernhard Preim, Christian Tietjen, Wolf Spindler, Heinz Otto Peitgen
 October 2002 **Proceedings of the conference on Visualization '02**
 Publisher: IEEE Computer Society

Full text available: pdf(7.88 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

- 6 [3D-visualization of tomographic volume data using the generalized voxel-model](#)
 K. H. Höhne, M. Bomans, A. Pommert, M. Riemer, C. Schiers, U. Tiede, G. Wiebecke
 May 1989 **Proceedings of the 1989 Chapel Hill workshop on Volume visualization VVS '89**
 Publisher: ACM Press

Full text available: pdf(5.49 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 7 [The history of the use of computers in the interpretation of radiological images](#)
 G. S. Lodwick
 December 1987 **Proceedings of ACM conference on History of medical informatics**
 Publisher: ACM Press

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- 8 [Visualization in scientific computing](#)

B. H. McCormick

March 1988 **ACM SIGBIO Newsletter**, Volume 10 Issue 1

Publisher: ACM Press

Full text available:  pdf(861.99 KB)Additional Information: [full citation](#), [index terms](#)

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3D modeling using an extended cell enumeration representation

K. D. Toennies, U. Tronnier

November 1990 **ACM SIGGRAPH Computer Graphics , Proceedings of the 1990 workshop on Volume visualization VVS '90**, Volume 24 Issue 5

Publisher: ACM Press

Full text available:  pdf(1.52 MB)Additional Information: [full citation](#), [abstract](#), [index terms](#)

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Computational sciences: Quantification of trabecular bone mass and orientation using Gabor waveletsYongqing Xiang, Vanessa Yingling, Jonathan Silverberg, Mitchell B. Schaffler, Theodore Raphan
March 2003 **Proceedings of the 2003 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available:  pdf(833.16 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

11

Blueprint for an anatomical/surgical computer

John David Canter

July 1971 **ACM SIGGRAPH Computer Graphics**, Volume 5 Issue 2

Publisher: ACM Press

Full text available:  pdf(998.65 KB)Additional Information: [full citation](#), [abstract](#)

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Health research computing: Computer careers in anatomical laboratories

William L. R. Cruce

March 1981 **ACM SIGBIO Newsletter**, Issue SI

Publisher: ACM Press

Full text available:  pdf(1.50 MB)Additional Information: [full citation](#), [references](#)

13

Heads, faces, hair: Head shop: generating animated head models with anatomical structure

Kolja Kähler, Jörg Haber, Hitoshi Yamauchi, Hans-Peter Seidel

July 2002 **Proceedings of the 2002 ACM SIGGRAPH/Eurographics symposium on Computer animation**

Publisher: ACM Press

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